

NEWS

AUG 15 1972

UNIVERSITY OF ILLINOIS
URBANA

July 28, 1972
No. 9, 1971-72 Series

AN OUTSTANDING EVENT

The retirement banquet for Professors Ralph Hay and Frank Andrew on June 8 was an unqualified success. Some 145 people attended to honor Ralph and Frank. Most of the Department staff, the families of the retirees, associates, and a wide variety of other friends from Illinois, Indiana, Michigan, and beyond were there.

One of the highlights of the evening was a "canned" slide and tape show about the careers of these two men and the changes in agriculture they helped to bring about. Another highlight was a direct call from Great Britain by this year's traveler, Professor Hoyle B. Puckett. It was difficult to convince Ralph and Frank that the call wasn't a gimmick, until they kept getting correct answers to their questions.



At their retirement party (L-R) Rose and Frank Andrew, and Ralph and Virginia Hay.

Although both have many plans for their retirement, we expect to see them often at staff parties and other functions, since they plan to stay in Champaign-Urbana. In fact, Ralph is captain of the 1972-73 Department Bowling Team.

NEW FACES

Dr. Harvey J. Hirning joined the Department on July 1 as an Assistant Professor. He is busily engaged in becoming acquainted with the details associated with the Cooperative Extension Program of Associate Professor Emeritus Frank W. Andrew. Harvey, Mrs. Hirning, and their two children are living at 409 Graham Drive in Savoy, Illinois 61874. He is a native of North Dakota, and received his formal education at North Dakota State and Iowa State Universities.

Also reporting for duty on July 1 was Dr. Melvin Dee Campbell, a Research Associate, who will be working with Dr. W.D. Lembke. His initial duties will center about soil sampling from the standpoint of ground water quality. Dr. and Mrs.

Campbell and five of their six children are living at 1103 Scovill in Urbana. Melvin is a native of Idaho and holds degrees from Utah State and Washington State Universities.

On September 1, Professor *Carroll E. Goering* will join the Department as a Research Associate. He will be on a year's leave of absence from his permanent assignment on the staff of the Department of Agricultural Engineering at the University of Missouri, Columbia. Although Carroll will have a number of assignments, he will give major attention to the development and performance of application equipment for agricultural chemicals. In this work he will be associated with Professor *B.J. Butler* '48.

ALUMNI NOTES

Maurice L. Burgener '48 was recently named a Vice-President of the Portland Cement Association, in charge of regional promotional activities in the United States. He will be primarily concerned with implementing the association's regional programs in the transportation, water resources, and residential markets, as well as PCA's work with national architectural and design firms. Maurice is the father of *David B.*, a senior next year in Agricultural Engineering and a member of the Illini Track Team.

Robert R. "Bob" Rowe '49 has been named the 1972 recipient of the Metal Building Manufacturer's Association Award. The presentation was made at the 65th Annual Meeting of the American Society of Agricultural Engineers, held in late June in Hot Springs, Arkansas. In congratulating Bob, Chancellor J.W. Peltason wrote "Nothing pleases us quite as much as news that our graduates have distinguished themselves. . . . Through your outstanding achievement you have brought honor to your College and to the University. . . ." Bob is an Agricultural Industries Representative in the Marketing Development Division of the United States Steel Corporation.

Richard T. Bennett '59 is pictured in the lead article in *Agricultural Engineering* for July. He was a contributor to the discussion "News on Noise in Chicago." Featured in the News Section in the same issue was *Douglas L. Bosworth* '64, retiring chairman of the Quad City Section, ASAE.

Leonard R. Bailey '72 is an engineer with the J.I. Case Company in Terre Haute, Indiana. Leonard recently departed from the bachelor ranks. He and his wife Katherine live at 3404 Imperial Avenue in Terre Haute 47085.

William C. Heimann '72 has accepted an assignment with the Caterpillar Tractor Company in Peoria.

Neil F. Bogner '50 is now Assistant Director of the Engineering Division, Soil Conservation Service. He lives at 6903 Gillings Road, Springfield, Virginia 22152.

Carlos Rodriguez Amaya '70 is Director of the Agricultural Engineering Department, Columbia Institute of Agriculture in Bogota. He is planning to begin work toward his doctorate in the near future at either Colorado State University or the University of California at Davis. His address is Apartado Aereo 7984, Bogota.

NEWS OF STUDENTS IN THE COLLEGE OF AGRICULTURE

At ceremonies held on May 4, *Ronald C. Classen* of Danforth and *Larry W. Tombaugh* of Streator, students in the agricultural mechanization option of the curriculum in general agriculture, were initiated into the University of Illinois Chapter of Phi Kappa Phi. Shown in the photograph is *Larry W. Tombaugh* (R) of Streator, receiving a Series E Savings Bond from his instructor, *Dr. E.F. Olver*. The bond, donated by *FS Services Inc.* of Bloomington, is given for the most outstanding term report submitted in *Agricultural Mechanization 381, Electro-Mechanical Agricultural Systems*.



Larry's report was a study of the development of an overall materials handling system for his home farm, with emphasis on the development of electric controls for grain processing.

The 17th Annual Agricultural Skills Contest sponsored by the Illini Agricultural Mechanization and the Agricultural Education Clubs was held on May 15 and 16. *Earl H. Williams* of Cherry Valley, a senior in Agricultural Engineering, received second place in the power and machinery division and second place in the electricity division. Agricultural mechanization students and Agricultural Mechanization Club members receiving prizes were *Gary Dierolf* of Orion, first in power and machinery and first in electricity; *John Otte* of Freeport, third in power and machinery; *Steve R. Pannier* of McLean, first in farm structures; and *David A. Hooks* of Mason, third in electricity. All of the division contest winners received prizes donated by businesses throughout Illinois. The overall contest winner was *Peter Viall* of Manteno, a senior in Agricultural Economics, who received the prize trophy donated by *Professor John W. Matthews*. Peter also won second prize in farm structures and first prize in soil and water.

STAFF NEWS

Professor Roger R. Yoerger has been elected to the National Executive Council of Phi Kappa Phi. He also serves as the Director of Fellowships at the national level. Another familiar face in the Council is *Dr. John J. McDow*, Head of the Department of Agricultural Engineering at the University of Tennessee. John is Vice-President in charge of the East-Central Region.

Several staff members contributed to the Symposium on Intensive Sheep Management, held at Paducah, Kentucky and the Dixon Springs Agricultural Center, June 20-22. This was a national program sponsored by the Sheep Industry Development Program, Inc., with headquarters in Denver, Colorado. *Professor D.B. "Doug" Bauling* was the moderator for a session dealing with facilities for intensive management systems. Contributors to the session were *Professor Arthur J. Muehling*, speaking on "Building Designs," and *Dr. Donald L. Day* on "Waste Management Systems."

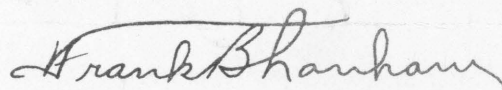
At ceremonies held on May 4, *Dr. Donald L. Day* was a faculty initiate into the University of Illinois Chapter of Phi Kappa Phi.

Department staff members were very much in evidence at the annual meeting of the American Society of Agricultural Engineers, held in late June at Hot Springs, Arkansas. Illini agricultural engineers carried away eight blue ribbons in three categories making up the Educational Aids Competition.

Manuals: Metallic Inert Gas (MIG) Welding--Dr. R.F. Espenschied
Plans: Beef Confinement Barn Plans--Professor D.G. Jedele
Slide Sets: Corrugated Plastic Tubing Used for Agricultural Drainage--
Professor C.J.W. Drablos
Diesel Slide Series--Dr. R.F. Espenschied
Gas Welding Safety--Dr. R.F. Espenschied
Tractor Maintenance--Dr. R.F. Espenschied
Good Animal Waste Management Prevents Pollution--Professor D.G.
Jedele
The Transit and Its Use--Dr. J. Kent Mitchell

Members of the Department contributed twelve papers to the technical sessions:

Anwar Alam and G.C. Shove, "Conditioning Soybeans--A Review."
Anwar Alam and G.C. Shove, "Hygroscopicity and Thermal Properties of Soybeans."
E. Dickey, W.D. Lembke, T.R. Peck, G. Stone, and W.H. Walker, "Concentration of Nitrate Nitrogen in Claypan Soils in Humid Areas."
R.F. Espenschied, "Thoughtful Planning Precedes Effective Use of Slides and Filmstrips."
D.G. Jedele and F.W. Andrew, "Slotted-Floor, Cold-Confinement Beef Cattle Housing."
G.L. Knepp and G.F. Arkin, "Ammonia Toxicity Levels and Nitrate Tolerance for Channel Catfish."
R.L. Mann, D.R. Roley, and R.R. Yoerger, "Performance and Noise of Axial Flow Fans with Varying Hub Diameters and Downstream Obstructions."
E.F. Olver, "Community Expertise for the Improvement of Local Electric Skills."
H.B. Puckett, G.M. Hyde, E.F. Olver, and K.E. Harshbarger, "An Automatic Feeding System for Dairy Cows."
E.D. Rodda, M.P. Steinberg, and L.S. Wei, "Soybean Damage Detection and Evaluation for Food Use."
G.C. Shove, "Transient Low-Temperature Deep Bed Drying."
J.A. Weber, G.N. Clark, and J.S. Panwar, "Similitude Prediction of Model Tool Forces in Artificial Soils."


Frank B. Lanham